

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A power supply device for driving a motor which comprises a switching control circuit on a primary side of a transformer, which switches a switching element for a power source, an output voltage generation portion on a secondary side of the transformer, which generates a predetermined output voltage in accordance with the switching of the switching element for the power source, and a fail detection circuit, wherein

the output voltage generation portion includes an overvoltage detection circuit that detects an overvoltage;

the overvoltage detection circuit is connected to the fail detection circuit;

the fail detection circuit ~~that~~ generates a voltage when the overvoltage detection circuit detects ~~an~~ the overvoltage;

the fail detection circuit ~~including a photo diode and a photo transistor~~ constituting a photo coupler is connected to an output terminal that outputs a normal operation signal to a drive motor control device and to an overvoltage signal terminal that outputs an overvoltage signal to the switching control circuit; and

the switching control circuit includes an output voltage suppression processing unit that suppresses an increase in the output voltage when the overvoltage is detected.

2. (Currently Amended) The power supply device for driving the motor according to claim 1, wherein the output voltage generation portion includes a plurality of phase power supply circuits that generate a plurality of output voltages, and the overvoltage detection circuit is provided in each phase power supply circuit.

3. (Currently Amended) The power supply device for driving the motor according to claim 1, wherein the switching control circuit includes a duty control portion that switches the switching element for the power source according to a predetermined duty signal, and the output voltage suppression processing unit is provided in the duty control portion and executes control such that the duty ratio of the duty signal becomes smaller when the overvoltage is detected.

4. (Currently Amended) The power supply device for driving the motor according to claim 2, wherein the switching control circuit includes a duty control portion that switches the switching element for the power source according to a predetermined duty signal, and the output voltage suppression processing unit is provided in the duty control portion and executes control such that the duty ratio of the duty signal becomes smaller when the overvoltage is detected.

5. (Currently Amended) The power supply device for driving the motor according to claim 1, comprising an overvoltage signal generation portion that generates ~~an~~ the overvoltage signal when the overvoltage is detected, and sends the overvoltage signal to the switching control circuit.

6. (Currently Amended) The power supply device for driving the motor according to claim 2, comprising an overvoltage signal generation portion that generates ~~an~~ the overvoltage signal when the overvoltage is detected, and sends the overvoltage signal to the switching control circuit.

7. (Currently Amended) The power supply device for driving the motor according to claim 3, comprising an overvoltage signal generation portion that generates ~~an~~ the overvoltage signal when the overvoltage is detected, and sends the overvoltage signal to the switching control circuit.

8. (Currently Amended) The power supply device for driving the motor according to claim 4, comprising an overvoltage signal generation portion that generates ~~an~~ the overvoltage signal when the overvoltage is detected, and sends the overvoltage signal to the switching control circuit.

9. (New) The power supply device for driving the motor according to claim 1, wherein the fail detection circuit includes a photo-diode and a photo-transistor constituting a photo-coupler.